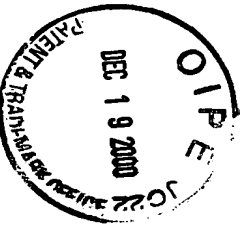




VERSION WITH MARKINGS TO SHOW CHANGES MADE
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Table 1: Description of mutations in viruses:

Virus	RNA		REGION	
	E1	VA	E3	E4
<i>dl1101/1107</i>	<i>dl1101</i> : deletion of Ad5 bp 569-634 <i>dl1107</i> : deletion of Ad5 bp 890-928	From <i>dl309</i> deletion of Ad5 bp 10594-10595	From <i>dl309</i> deletion of Ad5 bp 28597-28602; deletion-substitution Ad5 bp 3005-30750, insert 642 bp DNA of unknown origin	wild type
KD1	<i>dl1101</i> : deletion of Ad5 bp 569-634 <i>dl1107</i> : deletion of Ad5 bp 890-928	From <i>dl309</i> deletion of Ad5 bp 10594-10595	deletion of Ad5 bp 27858-2760, TAA inserted; deletion of Ad5 bp 27982-28134; deletion of Ad5 bp 28395-29397, insert CCTTAATTAAA (SEQ ID NO:21); deletion of Ad5 bp 29783-30883, insert TTAATTAAAGG (SEQ ID NO:22)	wild type
KD2	<i>dl1101</i> : deletion of Ad5 bp 569-634 <i>dl1107</i> : deletion of Ad5 bp 890-928	From <i>dl309</i> deletion of Ad5 bp 10594-10595	<i>dl309</i> background, gp19K mutated deletion of Ad5 bp 28597-28602; deletion-substitution Ad5 bp 3005-30750, insert 642 bp DNA of unknown origin; deletion of Ad5 bp 28788-28789, insert TTAATTAA (SEQ ID NO:23)	wild type
KD3	<i>dl1101</i> : deletion of Ad5 bp 569-634 <i>dl1107</i> : deletion of Ad5 bp 890-928	From <i>dl309</i> deletion of Ad5 bp 10594-10595	deletion of Ad5 bp 28598-29397; deletion of Ad5 bp 29783-30469	wild type
GZ1	wt	wild type	deletion of Ad5 bp 27858-2760, TAA inserted; deletion of Ad5 bp 27982-28134; deletion of Ad5 bp 28395-29397, insert CCTTAATTAAA (SEQ ID NO:24); deletion of Ad5 bp 29783-30883, insert TTAATTAAAGG (SEQ ID NO:25)	wild type



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GZ3	wild type	wild type	deletion of Ad5 bp 28598-29397; deletion of Ad5 bp 29783-30469	wild type
d11101/1107-SPB	d11101: deletion of Ad5 bp 569-634 d11107: deletion of Ad5 bp 890-928	From d1309 deletion of Ad5 bp 10594-10595	From d1309 deletion of Ad5 bp 28597-28602; deletion-substitution Ad5 bp 3005-30750, insert 642 bp DNA of unknown origin	E4 promoter deletion-substitution: deletion of Ad5 bp 35623-35775, insert SP-B 500 promoter flanked by BstI 1071 sites
KD1-SPB	d11101: deletion of Ad5 bp 569-634 d11107: deletion of Ad5 bp 890-928	From d1309 deletion of Ad5 bp 10594-10595	deletion of Ad5 bp 27848-2760, TAA inserted; deletion of Ad5 bp 27982-28134; deletion of Ad5 bp 28395-29397, insert CCTTAATTAAA (SEQ ID NO:26); deletion of Ad5 bp 29783-30883, insert TTAATTAAAGG (SEQ ID NO:27)	E4 promoter deletion-substitution: deletion of Ad5 bp 35623-35775, insert SP-B 500 promoter flanked by BstI 1071 sites
KD3-SPB	d11101: deletion of Ad5 bp 569-634 d11107: deletion of Ad5 bp 890-928	From d1309 deletion of Ad5 bp 10594-10595	deletion of Ad5 bp 28598-29397; deletion of Ad5 bp 29783-30469	E4 promoter deletion-substitution: deletion of Ad5 bp 35623-35775, insert SP-B 500 promoter flanked by BstI 1071 sites

Table 1: Description of mutations in viruses:

Virus	RNA		REGION	
	E1	V/A	E3	E4
d/1101/1107	d/1101: deletion of Ad5 bp 569-634 d/1107: deletion of Ad5 bp 890-928	From d/309 deletion of Ad5 bp 10594-10595	From d/309 deletion of Ad5 bp 3005-30750, insert 642 bp DNA of unknown origin	wild type
KD1	d/1101: deletion of Ad5 bp 569-634 d/1107: deletion of Ad5 bp 890-928	From d/309 deletion of Ad5 bp 10594-10595	deletion of Ad5 bp 27858-2760, TAA inserted; deletion of Ad5 bp 27982-28134; deletion of Ad5 bp 28395-29397, insert CCTTAATTAAA; deletion of Ad5 bp 29783-30883, insert TTAATTAAAGG	wild type
KD2	d/1101: deletion of Ad5 bp 569-634 d/1107: deletion of Ad5 bp 890-928	From d/309 deletion of Ad5 bp 10594-10595	d/309 background, gp19K mutated deletion of Ad5 bp 28597-28602; deletion-substitution Ad5 bp 3005-30750, insert 642 bp DNA of unknown origin; deletion of Ad5 bp 28788-28789, insert TTAATTAA	wild type
KD3	d/1101: deletion of Ad5 bp 569-634 d/1107: deletion of Ad5 bp 890-928	From d/309 deletion of Ad5 bp 10594-10595	deletion of Ad5 bp 28598-29397; deletion of Ad5 bp 29783-30469	wild type
GZ1	wt	wild type	deletion of Ad5 bp 27858-2760, TAA inserted; deletion of Ad5 bp 27982-28134; deletion of Ad5 bp 28395-29397, insert CCTTAATTAAA; deletion of Ad5 bp 29783-30883, insert TTAATTAAAGG	wild type

GZ3	wild type	wild type	deletion of Ad5 bp 28598-29397; deletion of Ad5 bp 29783-30469	wild type
dIN01/1107-SPB	dI1101: deletion of Ad5 bp 569-634 dI1107: deletion of Ad5 bp 890-928	From dI309 deletion of Ad5 bp 10594-10595	From dI309 deletion of Ad5 bp 28597-28602; deletion-substitution Ad5 bp 3005-30750, insert 642 bp DNA of unknown origin	E4 promoter deletion-substitution: deletion of Ad5 bp 35623-35775, insert SP-B 500 promoter flanked by BstI 1071 sites
KD1-SPB	dI1101: deletion of Ad5 bp 569-634 dI1107: deletion of Ad5 bp 890-928	From dI309 deletion of Ad5 bp 10594-10595	deletion of Ad5 bp 27848-27860, TAA inserted; deletion of Ad5 bp 27982-28134; deletion of Ad5 bp 28395-29397, insert CCTTAATTAAA; deletion of Ad5 bp 29783-30883, insert TTAATTAAAGG	E4 promoter deletion-substitution: deletion of Ad5 bp 35623-35775, insert SP-B 500 promoter flanked by BstI 1071 sites
KD3-SPB	dI1101: deletion of Ad5 bp 569-634 dI1107: deletion of Ad5 bp 890-928	From dI309 deletion of Ad5 bp 10594-10595	deletion of Ad5 bp 28598-29397; deletion of Ad5 bp 29783-30469	E4 promoter deletion-substitution: deletion of Ad5 bp 35623-35775, insert SP-B 500 promoter flanked by BstI 1071 sites